

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical  
Information Center (STIC) no errors detected.**

Application Serial Number: 10/586,809  
Source: IFWP  
Date Processed by STIC: 8/3/06

# ***ENTERED***



IFWP

RAW SEQUENCE LISTING                      DATE: 08/03/2006  
 PATENT APPLICATION: US/10/586,809        TIME: 09:48:03

Input Set : F:\TUL6USA.txt  
 Output Set: N:\CRF4\08032006\J586809.raw

```

3 <110> APPLICANT: The Administrators of the Tulane Educational Fund
4     Xavier University of Louisiana
5     INSERM - Institut National de la Sante et de la Recherche
6     Medicale
7     Klassen, R. Bryan
8     Verroust, Pierre J.
9     Allen, Patricia L.
10    Hammond, Timothy G.
12 <120> TITLE OF INVENTION: Methods and Compositions for Treating Cancer
14 <130> FILE REFERENCE: TUL6PCT
C--> 16 <140> CURRENT APPLICATION NUMBER: US/10/586,809
C--> 16 <141> CURRENT FILING DATE: 2006-07-21
16 <150> PRIOR APPLICATION NUMBER: US 60/538,718
17 <151> PRIOR FILING DATE: 2004-01-23
19 <160> NUMBER OF SEQ ID NOS: 7
21 <170> SOFTWARE: PatentIn version 3.3
23 <210> SEQ ID NO: 1
24 <211> LENGTH: 61
25 <212> TYPE: PRT
26 <213> ORGANISM: rabbit metallothionein
28 <400> SEQUENCE: 1
30 Met Asp Pro Asn Cys Ser Cys Ala Thr Gly Asn Ser Cys Thr Cys Ala
31 1           5           10           15
34 Ser Ser Cys Lys Cys Lys Glu Cys Lys Cys Thr Ser Cys Lys Lys Ser
35           20           25           30
38 Cys Cys Ser Cys Cys Pro Ala Gly Cys Thr Lys Cys Ala Gln Gly Cys
39           35           40           45
42 Ile Cys Lys Gly Ala Ser Asp Lys Cys Ser Cys Cys Ala
43           50           55           60
46 <210> SEQ ID NO: 2
47 <211> LENGTH: 30
48 <212> TYPE: PRT
49 <213> ORGANISM: artificial
51 <220> FEATURE:
52 <223> OTHER INFORMATION: modified metallothionein
55 <220> FEATURE:
56 <221> NAME/KEY: MISC_FEATURE
57 <222> LOCATION: (30)..(30)
58 <223> OTHER INFORMATION: can be any amino acid other than K
60 <400> SEQUENCE: 2
62 Met Asp Pro Asn Cys Ser Cys Ala Thr Gly Asn Ser Cys Thr Cys Ala
63 1           5           10           15
W--> 66 Ser Ser Cys Lys Cys Lys Glu Cys Lys Cys Thr Ser Cys Xaa

```

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```

67          20          25          30
70 <210> SEQ ID NO: 3
71 <211> LENGTH: 31
72 <212> TYPE: PRT
73 <213> ORGANISM: artificial
75 <220> FEATURE:
76 <223> OTHER INFORMATION: modified metallothionein
79 <220> FEATURE:
80 <221> NAME/KEY: MISC_FEATURE
81 <222> LOCATION: (1)..(1)
82 <223> OTHER INFORMATION: can be any amino acid other than K
84 <400> SEQUENCE: 3
W--> 86 Xaa Ser Cys Cys Ser Cys Cys Pro Ala Gly Cys Thr Lys Cys Ala Gln
      87 1          5          10          15
      90 Gly Cys Ile Cys Lys Gly Ala Ser Asp Lys Cys Ser Cys Cys Ala
      91          20          25          30
94 <210> SEQ ID NO: 4
95 <211> LENGTH: 61
96 <212> TYPE: PRT
97 <213> ORGANISM: artificial
99 <220> FEATURE:
100 <223> OTHER INFORMATION: modified metallothionein
103 <220> FEATURE:
104 <221> NAME/KEY: MISC_FEATURE
105 <222> LOCATION: (30)..(31)
106 <223> OTHER INFORMATION: can be any amino acid other than K
108 <400> SEQUENCE: 4
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111 1          5          10          15
W--> 114 Ser Ser Cys Lys Cys Lys Glu Cys Lys Cys Thr Ser Cys Xaa Xaa Ser
      115          20          25          30
      118 Cys Cys Ser Cys Cys Pro Ala Gly Cys Thr Lys Cys Ala Gln Gly Cys
      119          35          40          45
      122 Ile Cys Lys Gly Ala Ser Asp Lys Cys Ser Cys Cys Ala
      123          50          55          60
126 <210> SEQ ID NO: 5
127 <211> LENGTH: 17
128 <212> TYPE: PRT
129 <213> ORGANISM: artificial
131 <220> FEATURE:
132 <223> OTHER INFORMATION: control peptide
134 <400> SEQUENCE: 5
136 Cys Leu Gln Lys Phe Glu Lys Lys Ile Asn Gln Ser Pro Tyr Glu Lys
137 1          5          10          15
140 Arg
144 <210> SEQ ID NO: 6
145 <211> LENGTH: 12
146 <212> TYPE: PRT
147 <213> ORGANISM: artificial

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149 &lt;220&gt; FEATURE:

150 &lt;223&gt; OTHER INFORMATION: control peptide

152 &lt;400&gt; SEQUENCE: 6

154 Ala Leu Glu Glu Tyr Thr Lys Lys Leu Asn Thr Gln

155 1 5 10

158 &lt;210&gt; SEQ ID NO: 7

159 &lt;211&gt; LENGTH: 17

160 &lt;212&gt; TYPE: PRT

161 &lt;213&gt; ORGANISM: artificial

163 &lt;220&gt; FEATURE:

164 &lt;223&gt; OTHER INFORMATION: modified metallothionein

166 &lt;400&gt; SEQUENCE: 7

168 Lys Met Asp Pro Asn Cys Ser Cys Ala Thr Gly Asn Ser Cys Thr Cys

169 1 5 10 15

172 Ala

RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/10/586,809

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TIME: 09:48:04

Input Set : F:\TUL6USA.txt  
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:2; Xaa Pos. 30<sup>1</sup>  
Seq#:3; Xaa Pos. 1<sup>1</sup>  
Seq#:4; Xaa Pos. 30,31<sup>1</sup>

Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete, per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:2,3,4,5,6,7

**VERIFICATION SUMMARY**

PATENT APPLICATION: US/10/586,809

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Input Set : F:\TUL6USA.txt

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L:16 M:270 C: Current Application Number differs, Replaced Current Application No  
L:16 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:66 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:16  
L:86 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0  
L:114 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:16